

CLASS	CODE	NAME	DESCRIPTION
Contamination	KCA	Known Contamination, lab analysis	Contamination is known to have occurred during the laboratory analysis process. Validity of reported value may be compromised
Contamination	KCF	Known Contamination, field	Contamination is known to have occurred during the field collection process. Validity of reported value may be compromised
Contamination	KCP	Known Contamination, lab preparation	Contamination is known to have occurred during the laboratory preparation process. Validity of reported value may be compromised
Contamination	KCX	Known Contamination, unknown	Contamination is known to have occurred but the source of that contamination is unknown. Validity of reported value may be compromised
Contamination	SCA	Suspected Contamination, lab analysis	Contamination is suspected to have occurred during the laboratory analysis process. Validity of reported value may be compromised
Contamination	SCF	Suspected Contamination, field	Contamination is suspected to have occurred during the field collection process. Validity of reported value may be compromised
Contamination	SCP	Suspected Contamination, lab preparation	Contamination is suspected to have occurred during the laboratory preparation process. Validity of reported value may be compromised
Contamination	SCX	Suspected Contamination, unknown	Contamination is suspected to have occurred but the source of that contamination is unknown. Validity of reported value may be compromised
Corrected	BAC	Correction Factor, background	Reported value was corrected for variable background contribution to the instrument signal in the determination of trace elements
Corrected	CAJ	Correction Factor, lab	Reported value was corrected by a lab performance check factor
Corrected	CBL	Correction Factor, blank	Reported value was corrected by a blank correction factor
Corrected	CCA	Correction Factor, calibration	Reported value was corrected by a calibration correction factor
Corrected	CDI	Correction Factor, dilution	Reported value was corrected by a dilution correction factor
Corrected	CLC	Correction Factor, other	Reported value was corrected. Correction factor was derived by unspecified means or means other than those presented in this list
Corrected	CSP	Correction Factor, standard pressure	Reported value was corrected by a standard pressure correction factor
Corrected	CST	Correction Factor, standard temperature	Reported value was corrected by a standard temperature correction factor
Corrected	CSU	Correction Factor, surrogate	Reported value was corrected by a surrogate correction factor
Corrected	CTP	Correction Factor, standard temperature and pressure	Reported value was corrected by a standard temperature and pressure correction factor
Corrected	ISC	Correction Factor, internal standard	Reported value was corrected for the internal standard recovery
Estimated Value	EST	Estimated Value, outside limit of precision	Reported value was not within expected limits of precision and is therefore considered an estimate
Estimated Value	TIE	Estimated value, no calibration standard	Reported value has been estimated because no calibration standard was analyzed
Handling	EHT	Exceeded Holding Time	Sample or extract was held longer than the approved amount of time before analysis. Validity of reported value may be compromised
Handling	ISP	Improper Sample Preservation	Sample was not properly preserved. Validity of reported value may be compromised
Handling	JCN	Sample Container Damaged, no sample lost	Sample container (jar, test tube, etc.) was damaged but no portion of the sample was lost. Validity of reported value may be compromised
Handling	JCW	Sample Container Damaged, sample lost	Sample container (jar, test tube, etc.) was damaged. At least a portion of the sample was lost. Validity of reported value may be compromised
Limit	BDL	Detection Limit, less than	Analyte produced an instrument response but reported value is below a detection limit. The type of detection limit was unspecified. Validity of reported value may be compromised
Limit	BLQ	Between Instrument Detection and Quantification Limits	Reported value is above calculated instrument detection limit but below quantification limit. Validity of reported value may be compromised
Limit	DDL	Daily Detection Limit, less than	Analyte produced an instrument response but reported value is below the calculated daily detection limit. Validity of reported value may be compromised
Limit	DEC	Value Decensored	Value Decensored (2/3 of IDL used)
Limit	GTL	Operating Range, greater than	Reported value is above the valid operating range of the analytical system, quantitative process, or qualitative process, or reported value is above the highest calibration standard. Validity of reported value may be compromised
Limit	IDL	Instrument Detection Limit, less than	Analyte produced an instrument response but reported value is below the calculated instrument detection limit. Validity of reported value may be compromised
Limit	LTL	Operating Range, less than	Reported value is below the valid operating range of the analytical system, quantitative process, or qualitative process, or reported value is less than the lowest calibration standard. Validity of reported value may be compromised
Limit	MDL	Method Detection Limit, less than	Analyte produced an instrument response but reported value is below the calculated method detection limit. Validity of reported value may be compromised
Limit	NWL	Operating Range, not within	Reported value is outside (above or below not specified) the valid operating range of the analytical system, quantitative process, or qualitative process, or outside the calibration standard. Validity of reported value may be compromised
Limit	SDL	System Detection Limit, less than	Analyte produced an instrument response but reported value is below the calculated system detection limit. Validity of reported value may be compromised
Limit	UDL	Sample-specific Detection Limit, less than	Analyte produced an instrument response but reported value is below the calculated sample-specific detection limit. Validity of reported value may be compromised
Limit	UND	Analyte Not Detected	Analyte produced no instrument response above noise
No Result Reported	CAN	No Result Reported, analysis canceled	Analysis was canceled and not performed. No result value was reported
No Result Reported	CBC	No Result Reported, cannot be calculated	Result should have been a calculated value but it could not be determined because an operand value was qualified. No result value was reported
No Result Reported	EER	No Result Reported, entry error	Original value is known to be incorrect due to a data entry error. The correct value could not be determined. No result value was reported
No Result Reported	FAC	No Result Reported, field accident	Analysis was halted because a field accident either destroyed the sample or rendered it not suitable for analysis. No result value was reported
No Result Reported	LAC	No Result Reported, lab accident	Analysis was halted because a laboratory accident either destroyed the sample or rendered it not suitable for analysis. No result value was reported
No Result Reported	NAI	No Result Reported, interference	A valid result could not be obtained from the analysis due to interference. Analysis was halted. No result value was reported
No Result Reported	NRR	No Result Reported, other	Result value was not determined or entered for reasons other than those presented in this list. No result value was reported

No Result Reported	NSQ	No Result Reported, insufficient quantity of sample	Result value could not be obtained due to insufficient quantity of the sample. No result value was reported
No Result Reported	PNQ	No Quantifiable Result Reported	Analyte was present in the sample but was not quantifiable. No result value was reported
Other	B5D	Below 5 Times MDL	Reported value is greater than the method detection limit but less than 5 times the method detection limit. Validity of reported value and associated precision statistics (e.g., RPD) may be compromised
Other	CON	Value Confirmed	Reported value was confirmed by using an auxiliary analytical technique
Other	FCV	Coefficient of Variation Limit, failed	Precision, measured as CV between multiple analyses of a sample within and between instrumental analysis runs, did not meet the method criteria. Validity of reported value may be compromised
Other	FLA	Field Lab Anomaly	Reported value for lab measurement was inconsistent with reported value for corresponding field measurement. Validity of reported value may be compromised
Other	HIB	Likely Biased High	Reported value is probably biased high as evidenced by LMS (matrix spike, lab) results, SRM (reference material, standard) recovery, blank contamination or other internal lab QC data. Reported value is not considered invalid, however
Other	IDS	Analyte Not Confirmed	Identity of analyte could not be confirmed using an alternate technique
Other	INT	Interference Suspected	Reported value is believed to be the result of interference and not presence of the analyte. Validity of reported value may be compromised
Other	INV	Invalid	Reported value is deemed invalid by the QC Coordinator
Other	LOB	Likely Biased Low	Reported value is probably biased low as evidenced by LMS (matrix spike, lab) results, SRM (reference material, standard) recovery or other internal lab QC data. Reported value is not considered invalid, however
Other	M6F	More Than 6 Flags Applied	More than six flags were applied to the reported value. Only 6 of the applied flags were reported. Validity of reported value may be suspect.
Other	MBK	Blank, detected below MDL	Analyte was detected in a related lab blank at a concentration below the method detection limit (MDL) and/or blank action limit, however the related lab blank did not fail
Other	NRP	Non Representative Sample	Sample does not represent the environmental conditions.
Other	OA3	Outlier, across stations	Reported value was determined to be an outlier (> 3 std. devs) when compared to other data values from the same project across all station at which field samples were collected.
Other	OS3	Outlier, single station	Reported value was determined to be an outlier (> 3 std. devs) when compared to other data values from the same project and station.
Other	OTHER	Other	Validity of reported value may be compromised for reasons other than those presented in this list
Other	REJ	Value Rejected	Reported value was rejected by the laboratory. Value was not utilized in the calculation of any results
Other	RET	Value Not Approved	Reported value is not approved by laboratory management. The sample was re-analyzed with no change in the method. Validity of reported value may be compromised
Other	UNC	Value Not Confirmed	Reported value could not be confirmed by using an auxiliary analytic method (e.g., an alternate GC column). Validity of reported value may be compromised
Procedure	ALT	Alternate Method	Reported value was obtained using an alternate analytic method. Validity of reported value may be compromised
Procedure	REQ	Method Not Approved, re-analyze	Analytic method for the reported value was not approved. The sample was re-analyzed using a different method
Procedure	REX	Re-Prepared	Reported value was generated from a re-preparation of the same sample
Procedure	RIN	Re-Analyzed	Reported value was generated from a re-analysis of the same sample extract or aliquot using the same method
Procedure	RSL	Resloped	Reported value was quantified from a resloped calibration curve during the instrument run
QC Failed	FBB	Field Bottle Blank, failed	A field bottle blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FBS	Blank Sample, failed	A blank sample associated with this analysis failed the acceptance criteria. It is unknown whether the blank that failed was a field blank or a lab blank. Validity of reported value may be compromised
QC Failed	FCB	Lab Calibration Blank, failed	A lab calibration blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FCL	Lab Control Solution, failed	A lab control solution associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FCN	Calibration Sample, failed	A calibration sample (type unknown or unspecified) associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FCS	Field Control Solution, failed	A field control solution associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FDB	Dry Blank, failed	A dry blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FDL	Lab Duplicate, failed	A lab duplicate associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FFB	Field Matrix Blank, failed	A field matrix blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FFD	Field Duplicate, failed	A field duplicate associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FFR	Field Blank, failed	A field blank sample (type unknown or unspecified) associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FFS	Field Spike, failed	A field spike associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FFT	Trip Blank, failed	A trip blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FIB	Field Instrument Blank, failed	A field instrument blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FIC	Lab Interference Check Sample, failed	A lab interference check sample associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised.

QC Failed	FIS	Internal Standard, failed	An internal standard associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FKB	Continuing Check Blank, failed	A continuing check blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FLB	Lab Matrix Blank, failed	A lab matrix blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FLR	Lab Blank, failed	A lab blank sample (type unknown or unspecified) associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FLS	Lab Spike, failed	A lab spike associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FMB	Matrix Spike Blank, failed	A matrix spike blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FMS	Matrix Spike, failed	A matrix spike associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FNB	Lab Instrument Blank, failed	A lab instrument blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FOB	Field Fortified Blank, failed	A field fortified blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FPB	Lab Procedural Blank, failed	A lab procedural blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FPC	Performance Check, failed	A lab performance check sample associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FPS	Lab Procedural Spike, failed	A lab procedural spike associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FQC	Quality Control, failed	Quality control criteria were exceeded during analysis. Value was not rejected, however. Validity of reported value may be compromised
QC Failed	FRB	Field Reagent Blank, failed	A field reagent blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FRF	Reference material, failed	A reference sample (type unknown or unspecified) associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FRM	Field Reference Material, failed	A field reference material associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FRN	Lab Reagent Blank, failed	A lab reagent blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FRS	Lab Reference, failed	A lab reference associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSB	Lab Solvent Blank, failed	A lab solvent blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSD	Lab Spike Duplicate, failed	A spiked lab duplicate associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSF	Surrogate Spike, failed	Surrogate spike recoveries associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSK	Spike sample, failed	A spike sample (type unknown or unspecified) associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSL	Lab Spike Blank, failed	A spiked lab blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSP	Lab Solvent Spike, failed	A lab solvent spike associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSR	Standard Reference Material, failed	A standard reference material associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FSS	Surrogate, failed	Surrogate recoveries associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FTB	Field Filter Blank, failed	A field filter blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FUB	Field Tubing Blank, failed	A field tubing blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	FWB	Field Source Water Blank, failed	A field source water blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Failed	PPD	Spiked Blank Duplicate, failed	Analysis results showed unacceptable duplicate precision between laboratory prepared spiked blank duplicates. Validity of reported value may be compromised
QC Failed	SFF	Field Spike Blank, failed	A field spike blank associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Incomplete	QCI	Quality Control incomplete	Some quality control samples (such as duplicates or standard checks) related to the analysis were not prepared, analyzed, or reported.
QC Setup	FCC	Continuing Calibration Check, failed	A continuing calibration check associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Setup	FDC	Drift Check, failed	A drift check associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Setup	FLC	Linearity Check, failed	A linearity check associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised
QC Setup	FVS	Lab Calibration Verification Solution, failed	A lab calibration verification solution associated with this analysis failed the acceptance criteria. Validity of reported value may be compromised